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U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY To the Director of the U.Ş. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies) ROBERT A. LIEBERMAN Name: INTELLIGENT OPTICAL SYSTEMS, INC. CLAUDIO O. EGALON Internal Address: Additional name(s) of conveying party(ies) attached? Yes 3. Nature of conveyance/Execution Date(s): Street Address: 2520 W. 237TH STREET Execution Date(s) 06/10/1999 ✓ Assignment Merger City: TORRANCE Security Agreement Change of Name State: ca Government Interest Assignment Country: US Zip:90505 Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? ☐ Yes ✓ No 4. Application or patent number(s): ☐ This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) 09/730.158 10/717.080 Additional numbers attached? Yes ✓ No 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 2 Name: LAWRENCE S. COHEN 7. Total fee (37 CFR 1.21(h) & 3.41) \$80.00 Internal Address: SUITE 1220 Authorized to be charged by credit card Authorized to be charged to deposit account ✓ Enclosed Street Address: 10960 WILSHIRE BLVD. None required (government interest not affecting title) 8. Payment Information City: LOS ANGELES a. Credit Card Last 4 Numbers State: CA Zip:90024 Expiration Date _____ Phone Number: 310-231-6898 b. Deposit Account Number _____ Fax Number: 310-231-6899 Authorized User Name Email Address: <u>COHENLAW@CYPRESSMAIL.COM</u> 9. Signature: 11/15/2005 Signature Total number of pages including cover LAWRENCE S. COHEN sheet, attachments, and documents: Name of Person Signing

ASSIGNMENT

Assignors: Robert A. Lieberman and Claudio O. Egalon

Assignee: Intelligent Optical Systems, 2520 W. 237th St., Torrance, CA 90505-5217

Title of Invention: DISTRIBUTED OPTICAL FIBER SENSOR WITH CONTROLLED

RESPONSE

Serial No:

Filed:

Concurrently

Recitals:

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "invention") described in the United States patent application (the "application") having as a title the above name for the invention. The application has an attorney docket number and a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed contemporaneously with this Assignment.

ASSIGNMENT

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of assignor's right, title and interest in the invention, all improvements therein, and any patents, and any reissues and extensions thereof, which issue in any country upon patent applications which correspond with any of the following: the application, any divisional, continuation-in-part, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in part on any of the above-described applications.

Each Assignor further agrees that he and his heirs and legal representatives will, without charge to Assignee during the term of such Assignor's employment by Assignee,

and, thereafter for a per diem compensation as mutually agreed upon by Assignee and Assignor, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request subject to assignor's availability, including attending depositions and appearing as a witness, to obtain, or maintain or enforce patents for the invention and improvements therein in any and all countries, and to vest title thereto in Assignee.

IN WITNESS WHEREOF, Assignor hereby executes this instrument on the date

set fortil below.	
Date: $\frac{6/10/99}{}$	Robert A. Lieberman
Date: 06/10/99	Claudio O. Egalon
Date: 6/10/99	
State of Calif County of Las angels }	
On this 10 day of June, 1999	9, before me, personally appeared
ROBERT A. LIEBERMAN and	Claudio D. Egalon
known by me to be the persons whose names are	//
acknowledged to me that they executed the same	e in their authorized capacities and that by
their signatures on the instrument the persons or	-
persons acted executed the instrument.	· .
Witness my hand and official seal	
Signature Sharm a. Put	